

Title (en)  
Antenna

Title (de)  
Antenne

Title (fr)  
Antenne

Publication  
**EP 1679763 A2 20060712 (EN)**

Application  
**EP 05025170 A 20051117**

Priority  
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Abstract (en)  
A transmission line (4) includes transmission lines (4A, 4B) parallel and perpendicular, respectively, to a flat portion (2A) of a reflector (2), and the parallel transmission line (4A) and the flat portion (2A) form a first strip line and the perpendicular transmission line (4B) and a conductive plate (5A, 5B) similarly form a second strip line. Radiators (6A, 6B) and the transmission line (4) have a radiation impedance and a characteristic impedance, respectively, both set at 150 $\Omega$  when the antenna's output terminal has a reference impedance of 75 $\Omega$ . If the parallel transmission line (4A) has a midpoint serving as the output terminal of the antenna this portion's receiving current is divided in two so that an impedance of half that of the strip line can be provided and a coaxial cable can directly be connected to the transmission line (4). A matcher or a mixer is not included in the antenna (1), and matching and mixing losses can be prevented.

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CPC (source: EP US)  
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Citation (applicant)  
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